



20

Figure 1

```
22 <person>
24     <name>John</name>
26     <surname>Smith</surname>
28 </person>
```

40

Figure 2

```
42 <schema>
44     <element name="person">
46         <complex type>
48             <sequence>
50                 <element name="name">
52                     <element name="surname">
54                         </sequence>
56                     </complex type>
58                 </element name>
60 </schema>
```

70

Figure 3

```
72 class person {
74     String name;
76     String surname;
78     String getName() {}
80     String getSurname() {}
82     void setName(String newName) {}
84     void setSurname(String newSurname) {}
}
```



90

Figure 4

```
92  class person {
94      static class Name extends SimpleTypeString {
96          public static String name() {return "name";}
98          public Name(String v) {super (v);}
        }
100     static class Surname extends SimpleTypeString {
102         public static String name() {return "surname";}
104         public Surname(String v) {super (v);}
        }
106     protected void structure() {
108         addParticle(new SequenceParticle(){
110             protected void structure() {
112                 addParticle(new ElementParticle("name"));
114                 addParticle(new ElementParticle("surname"));
            }
        });
    }
}
```

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Figure 6

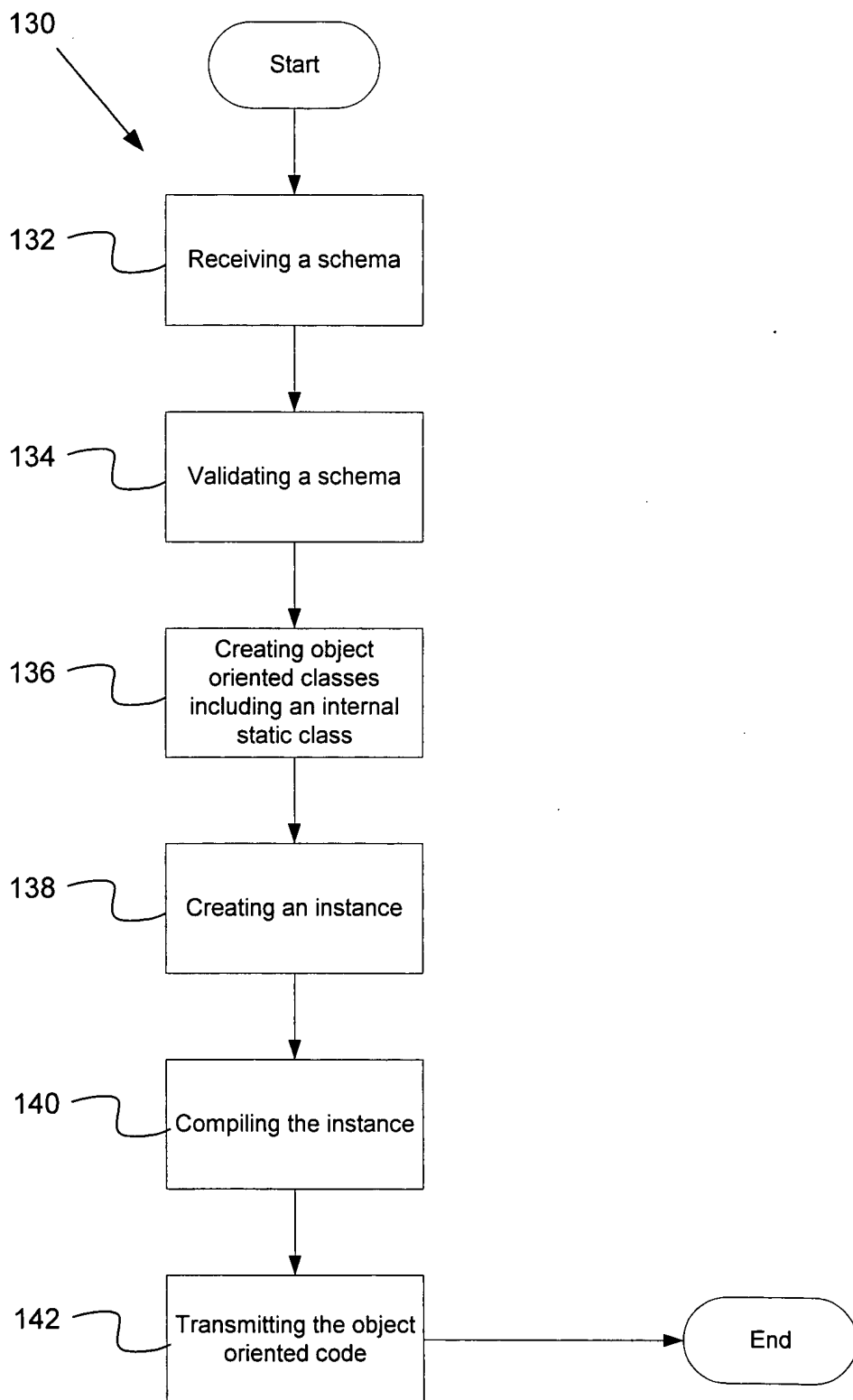




Figure 5

